

Weather Event Simulator Case Study

Originating Office	:	WFO Mobile
Date of Case	:	2 August 2002
Contacts	:	Jeff.Medlin@noaa.gov
Weather Event	:	Isolated severe pulse thunderstorms.
Learning Objectives	:	Development of pulse severe storm radar interrogation skills.
Available Data	:	KMOB all AWIPS radar data. 0.5° radar data for KEOX, KEVX and KMXX. LAPS data for WFO Mobile
Time Period of Data	:	LAPS analyses: 1200-2300 UTC August 2. Radar data begin at 1600 UTC
Type of Simulation	:	Real-time DRT
Completion Time	:	Two hours.
Additional Materials	:	Electronic (WordPerfect) copy of Simulation Guide on the CD-ROM and in the /docs subdirectory within the case.
Installation	:	Use the CaseInstaller.tcl script to install the case specifying one (1) CD-ROM, the case directory (e.g., /data/awips) on the specified hard drive (e.g., /dev/sdb1). The case directory will be called 2002Aug02.
Special Instructions	:	This case includes localizations for WES versions 1.0, 1.1, 1.2 and 1.3. Please “cd” to the 2002Aug02/localizationDataSets subdirectory and extract (zcat tar -xvf -) the appropriate localization for your version of the WES software.
Note	:	<i>The inability to request vertical reflectivity cross sections is a limiting factor to the overall case delivery.</i> However, this simulation is a good exercise to illustrate the use of the <i>ALL-Tilts functionality</i> via. a space loop of integrated reflectivity and storm-relative velocity information so that the kinematic flow structure can be equally incorporated into the warning decision